

IN THE CLAIMS

Please cancel claims 1-4 and add the following new claim.

5. (new) A method of producing a polypeptide, said polypeptide comprising at least a portion of mature S1 subunit of *B.pertussis* toxin, including position 9 of the mature S1 subunit which exhibits substantially reduced ADP ribosyltransferase activity compared to wild-type *B.pertussis* toxin, wherein said polypeptide comprises an epitope reactive with a protective antibody against *B.pertussis* toxin and comprises an amino acid at position 9 of said mature S1 subunit of *B.pertussis* toxin other than arginine, said method comprising the steps of:

- expressing the polypeptide from DNA encoding the polypeptide; and
- isolating the polypeptide.

REMARKS

Applicants respectfully request favorable consideration of the present application and claim. Early and favorable action by the Examiner is earnestly solicited.

No additional fee is believed to be necessary.

The Commissioner is hereby authorized to charge any additional fees which may be required for this amendment, or credit any overpayment to Deposit Account No. 13-4500, Order No. 2026-4253US4.

In the event that an extension of time is required, or which may be required in addition to that requested in a petition and for an extension of time, the Commissioner is requested to grant a petition for that extension of time which is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any

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overpayment for an extension of time to Deposit Account No. 13-4500, Order No. 2026-4253US7. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,

MORGAN & FINNEGAN, L.L.P.

Dated: January 26, 2001

By:


Dorothy R. Auth
Registration No. 36,434

MORGAN & FINNEGAN
345 Park Avenue
New York, New York 10154
(212) 758-4800
(212 751-6849 Telecopier

007087 01361
T092T0 52802280